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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TECH CENTER 1600/2900

Applicant: David A. Edwards and Jeffrey S. Hrkach

Application No.: 09/822,716 Group Art Unit:

Filed: March 30, 2001 Examiner:

Confirmation No.:

Title: PARTICLES FOR INHALATION HAVING SUSTAINED RELEASE  
PROPERTIES

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the  
United States Postal Service with sufficient postage as First Class Mail in  
an envelope addressed to Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

on May 23, 2003 Betsy S. Kirschner  
Date Signature

Betsy S. Kirschner  
Typed or printed name of person signing certificate

TRANSMITTAL OF REVOCATION OF POWERS OF ATTORNEY  
AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS  
AND CHANGE OF CORRESPONDENCE ADDRESS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed herewith are an executed Revocation of Powers of Attorney and Appointment  
of New Attorneys and/or Agents and Change of Correspondence Address with Attachment A,  
and a Statement under 37 C.F.R. §3.73(b) with Attachment A, for filing in the above-captioned  
matter.

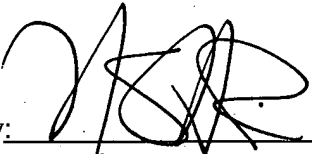
09/822,716

-2-

Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By: \_\_\_\_\_

N. Scott Hierce

Registration No.: 34,900

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Date: 5/23/03

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
on <u>May 23, 2003</u>	<u>Betsy S. Kirschner</u>
Date	Signature
<u>Betsy S. Kirschner</u>	
Typed or printed name of person signing certificate	

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 REVOCATION OF POWERS OF ATTORNEY  
 AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS  
 AND CHANGE OF CORRESPONDENCE ADDRESS

 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Advanced Inhalation Research, Inc., a Corporation duly organized under the laws of the Delaware, is the assignee of the entire right, title and interest in the patent applications/patents identified in Attachment A. Advanced Inhalation Research, Inc. hereby appoints Carolyn S. Elmore, Registration No. 37,567 and Anne L. Craig, Registration Number 32,976, and/or agents associated with:

 Elmore Craig, P.C.  
 209 Main Street  
 No. Chelmsford, Massachusetts 01863

to prosecute the identified applications/patents and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

A Statement under 37 C.F.R. §3.73(b) with Attachment A is submitted herewith.

All correspondence should be sent to Elmore Craig, P.C., 209 Main Street, No. Chelmsford, Massachusetts 01863. Please direct all telephone calls to Carolyn S. Elmore, Esq. at (978) 251-3509. Please direct all facsimiles to Carolyn S. Elmore, Esq. At (978) 251-3973.

 Respectfully submitted,  
 Advanced Inhalation Research, Inc.

By

James M. Frates

Title:

Vice President

Date MAY 23, 2003

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STATEMENT UNDER 37 C.F.R. § 3.73(b)

Advanced Inhalation Research, Inc.

(Name of Assignee)

corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application(s)/patent(s) identified in the attached Attachment A; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application(s)/patents identified in Attachment A. The assignment was recorded in the Patent and Trademark Office at the Reel(s) and Frame(s) indicated in Attachment A, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: To:  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: To:  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: To:  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 22-MAY-2003

Name: James M. Prates

Title: Vice President

Signature: James M. Prates

ATTACHMENT A

Applicants:	David A. Edwards, Richard P. Batycky and Giovanni Caponetti	Atty. Docket No.:2685.1001-001
Application No.:	09/337,245	Group: 1616
Filed:	June 22, 1999	Examiner: Qazi, Sabiha Naim
Confirmation No.:	8746	
Title:	Aggregated Porous Particles Emitted from An Inhaler (As Amended)	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	October 29, 1999	Reel: 010342    Frame(s): 0493-0496
Applicants:	David A. Edwards and Jeffrey S. Hrkach	Atty. Docket No.: 2685.1003-001
Application No.:	09/383,054	Group: 1615
Filed:	August 25, 1999	Examiner: Pulliam, Amy E.
Confirmation No.:	6042	
Title:	Stable Spray-Dried Protein Formulations	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	November 1, 1999	Reel: 010349    Frame(s): 0126-0129
Applicants:	David A. Edwards and Jeffrey S. Hrkach	Atty. Docket No.: 2685.1003-008
Application No.:	09/822,716	Group: 1615
Filed:	March 30, 2001	Examiner: Pulliam, Amy E.
Confirmation No.:	7248	
Title:	Particles for Inhalation Having Sustained Release Properties	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	September 24, 2001	Reel:012190    Frame(s):0812-0815

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Applicants:	Richard P. Batycky, Michael M. Lipp and Ralph W. Niven	Atty. Docket No.: 2685.1004-000
Application No.:	09/382,959	Group: 1615
Filed:	August 25, 1999	Examiner: Kishore, Gollamudi S
Confirmation No.:	5918	
Title:	Use of Simple Amino Acids to Form Porous Particles During Spray Drying	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	November 12, 1999	Reel: 010378 Frame(s): 0395-0398
Applicants:	Richard P. Batycky, Michael M. Lipp and Ralph W. Niven	Atty. Docket No.: 2685.1004-001
Application No.:	09/644,320	Group:
Filed:	August 23, 2000	Examiner:
Confirmation No.:		
Title:	Use of Simple Amino Acids to Form Porous Particles	
Patent No.:	Granted:	
Assignee:		
Recordation Date:	Reel:	Frame(s):
Applicants:	Raymond T. Bartus and Dwayne F. Emerich	Atty. Docket No.: 2685.1009-000
Application No.:	09/665,252	Group: 1616
Filed:	September 19, 2000	Examiner: Haghghatian, Mina
Confirmation No.:	5511	
Title:	Pulmonary Delivery in Treating Disorders of the Central Nervous System	
Patent No.:	6,514,482	Granted: February 4, 2003
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	September 19, 2000	Reel: 011135 Frame(s): 0273-0276

Applicants:	Raymond T. Bartus and Dwayne F. Emerich	Atty. Docket No.:2685.1009-001	
Application No.:	09/877,734	Group:	1616
Filed:	June 8, 2001	Examiner:	Haghighatian, Mina
Confirmation No.:	9804		
Title:	Pulmonary Delivery in Treating Disorders of the Central Nervous System		
Patent No.:	Granted:		
Assignee:	Advanced Inhalation Research, Inc.		
Recordation Date:	October 19, 2001	Reel:012281	Frame(s):0310-0313
Applicants:	Raymond T. Bartus and Dwayne F. Emerich	Atty. Docket No.: 2685.1009-009	
Application No.:		Group:	
Filed:	May 20, 2003	Examiner:	
Confirmation No.:			
Title:	Pulmonary Delivery in Treating Disorders of the Central Nervous System		
Patent No.:	Granted:		
Assignee:	Advanced Inhalation Research, Inc.		
Recordation Date:	October 19, 2001	Reel:012281	Frame(s):0310-0313
Applicants:	Michael M. Lipp, Richard P. Batycky and Giovanni Caponetti	Atty. Docket No.: 2685.1010-001	
Application No.:	09/644,105	Group:	1615
Filed:	August 23, 2000	Examiner:	Kishore, Gollamudi S
Confirmation No.:	1521		
Title:	Formulation For Spray-Drying Large Porous Particles		
Patent No.:	Granted:		
Assignee:	Advanced Inhalation Research, Inc.		
Recordation Date:	November 22, 2000	Reel: 011321	Frame(s): 0557-0560

Applicants:	Sujit K. Basu, Jeffrey S. Hrkach, Giovanni Caponetti, Michael M. Lipp, Katharina Elbert and Wen-I Li	Atty. Docket No.: 2685.1012-001
Application No.:	09/644,736	Group: 1615
Filed:	August 23, 2000	Examiner: Kishore, Gollamudi S
Confirmation No.:	1625	
Title:	Modulation of Release From Dry Powder Formulations	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	October 25, 2000	Reel: 011191 Frame(s): 0854-0859
Applicants:	Sujit K. Basu, Giovanni Caponetti, Daniel R. Deaver, Katharina J. Elbert, Jeffrey S. Hrkach and Michael M. Lipp	Atty. Docket No.: 2685.1012-004
Application No.:	09/792,869	Group: 1615
Filed:	February 23, 2001	Examiner: Kishore, Gollamudi S
Confirmation No.:	9276	
Title:	Modulation of Release From Dry Powder Formulations	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	May 8, 2001	Reel: 011794 Frame(s):0296-0301



Applicants:	Sujit K. Basu, Jeffrey S. Hrkach, Giovanni Caponetti, Michael M. Lipp, Katharina Elbert, and Wen-I Li	Atty. Docket No.: 2685.1012-011
Application No.:	10/425,193	Group:
Filed:	April 28, 2003	Examiner:
Confirmation No.:		
Title:	Modulation of Release From Dry Powder Formulations	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	October 25, 2000	Reel:011191      Frame(s): 0854-0859
Applicants:	Sujit K. Basu, Giovanni Caponetti, Daniel R. Deaver, Katharina J. Elbert, Jeffrey S. Hrkach and Michael M. Lipp	Atty. Docket No.: 2685.1012-012
Application No.:	10/425,194	Group:
Filed:	April 28, 2003	Examiner:
Confirmation No.:		
Title:	Modulation of Release From Dry Powder Formulations	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	May 8, 2001	Reel: 011794      Frame(s):0296-0301

Applicants:	David A. Edwards, Richard P. Batycky and Lloyd Johnston	Atty. Docket No.: 2685.2001-000
Application No.:	09/591,307	Group: 1616
Filed:	June 9, 2000	Examiner: Haghighatian, Mina
Confirmation No.:	2060	
Title:	Highly Efficient Delivery of a Large Therapeutic Mass Aerosol (As Amended)	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	August 29, 2000	Reel:011074    Frame(s):0991-0994
Applicants:	David A. Edwards, Richard P. Batycky and Lloyd Johnston	Atty. Docket No.: 2685.2001-003
Application No.:	09/878,146	Group: 1616
Filed:	June 8, 2001	Examiner: Haghighatian, Mina
Confirmation No.:	1303	
Title:	Highly Efficient Delivery of a Large Therapeutic Mass Aerosol	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	October 5, 2001	Reel: 012234    Frame(s):0035-0038

Applicants:	David A. Edwards, Richard P. Batycky, Jennifer L. Schmitke, Nicolas Tsapis, David A. Weitz, and Jeffrey S. Hrkach	Atty. Docket No.:2685.2006-002
Application No.:	10/300,070	Group: 1614
Filed:	November 20, 2002	Examiner:
Confirmation No.:	5990	
Title:	Compositions for Sustained Action Product Delivery and Methods of Use Thereof	
Patent No.:	Granted:	
Assignee:	1. Advanced Inhalation Research, Inc. 2. President and Fellows of Harvard College	
Recordation Date:	Reel:	Frame(s):
Applicants:	Richard P. Batycky, David A. Edwards and Michael M. Lipp	Atty. Docket No.: 2685.2009-001
Application No.:	10/300,657	Group: 1615
Filed:	November 20, 2002	Examiner:
Confirmation No.:	6792	
Title:	Improved Particulate Compositions for Pulmonary Delivery	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	Reel:	Frame(s):

Applicants:	Sujit K. Basu, Jeffrey Hrkach, Michael Lipp, Katharina Elbert and David A. Edwards	Atty. Docket No.: 2685.2012-000
Application No.:	09/752,109	Group: 1616
Filed:	December 29, 2000	Examiner: Haghighatian, Mina
Confirmation No.:	8225	
Title:	Particles for Inhalation Having Sustained Release Properties	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	April 9, 2001	Reel:011695 Frame(s): 0075-0079
Applicants:	Sujit K. Basu, Jeffrey Hrkach, Michael Lipp, Katharina Elbert and David A. Edwards	Atty. Docket No.: 2685.2012-003
Application No.:	10/202,616	Group: 1616
Filed:	July 23, 2002	Examiner: Haghighatian, Mina
Confirmation No.:	5026	
Title:	Particles for Inhalation Having Sustained Release Properties	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	April 9, 2001	Reel: 011695 Frame(s): 0075-0079

Applicants:	Richard P. Batycky, George Grandolfi, Sean Plunkett, Michael M. Lipp and James Wright	Atty. Docket No.: 2685.2014-001
Application No.:	10/300,726	Group: 1615
Filed:	November 20, 2002	Examiner:
Confirmation No.:	7267	
Title:	Particulate Compositions for Improving Solubility of Poorly Soluble Agents	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	Reel:	Frame(s):
Applicants:	Donghao Chen, Richard P. Batycky, Lloyd Johnston and Jeffrey Mintzes	Atty. Docket No.: 2685.2016-000
Application No.:	09/837,620	Group: 1616
Filed:	April 18, 2001	Examiner: Gollamudi, Sharmila S
Confirmation No.:	8051	
Title:	Control of Process Humidity to Produce Large, Porous Particles	
Patent No.:	Granted:	
Assignee:	1. Advanced Inhalation Research Inc. 2. Penn State Research Foundation	
Recordation Date:	1. August 13, 2001 2. August 13, 2001	Reel: 012085 012085 Frame(s): 0894-0897 0857-0859

Applicants:	Jennifer L. Schmitke, Donghao Chen, Richard P. Batycky, David A. Edwards, and Jeffrey S. Hrkach	Atty. Docket No.: 2685.2030-000
Application No.:	09/888,126	Group: 1616
Filed:	June 22, 2001	Examiner: Haghighatian, Mina
Confirmation No.:	9053	
Title:	Particles for Inhalation Having Rapid Release Properties	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	January 22, 2002	Reel: 012544 Frame(s): 0581-0586
Applicants:	Jennifer L. Schmitke, Donghao Chen, Richard P. Batycky, David A. Edwards, and Jeffrey S. Hrkach	Atty. Docket No.: 2685.2030-001
Application No.:	10/179,463	Group: 1616
Filed:	June 24, 2002	Examiner: Haghighatian, Mina
Confirmation No.:	3216	
Title:	Particles for Inhalation Having Rapid Release Properties	
Patent No.:	Granted:	
Assignee:		
Recordation Date:	Reel:	Frame(s):

Applicants:	Sujit K. Basu, Katharina Elbert, Jeffrey Hrkach and Giovanni Caponetti	Atty. Docket No.: 2685.2032-001
Application No.:	60/427,845	Group:
Filed:	November 20, 2002	Examiner:
Confirmation No.:		
Title:	Inhalable Formulations for Sustained Release	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc.	
Recordation Date:	Reel:	Frame(s):
Applicants:	Richard P. Batycky, Giovanni Caponetti, Mariko Childs, Elliot Ehrich, Karen Fu, Jeffrey S. Hrkach, Wen-I Li, Michael M. Lipp, Mei-Ling Pan, and Jason Summa	Atty. Docket No.: 2685.2046-000
Application No.:	60/393,007	Group:
Filed:	June 28, 2002	Examiner:
Confirmation No.: 6936		
Title:	Inhalable Epinephrine	
Patent No.:	Granted:	
Assignee:	Advanced Inhalation Research, Inc. (copy included)	
Recordation Date:	Reel:	Frame(s):

Applicants:	Richard P. Batycky, Giovanni Caponetti, Mariko Childs, Elliot Ehrich, Karen Fu, Jeffrey S. Hrkach, Wen-I Li, Michael M. Lipp, Mei- Ling Pan, and Jason Summa	Atty. Docket No.: 2685.2046-001
Application No.:	60/393,716	Group:
Filed:	July 2, 2002	Examiner:
Confirmation No.:	9158	
Title:	Inhalable Epinephrine	
Patent No.:		Granted:
Assignee:	Advanced Inhalation Research, Inc. (copy included)	
Recordation Date:	Reel:	Frame(s):
Applicants:	Richard P. Batycky, Giovanni Caponetti, Mariko Childs, Elliot Ehrich, Karen Fu, Jeffrey S. Hrkach, Wen-I Li, Michael M. Lipp, Mei- Ling Pan, and Jason Summa	Atty. Docket No.: 2685.2046-002
Application No.:	60/425,349	Group:
Filed:	November 8, 2002	Examiner:
Confirmation No.:	2685	
Title:	Inhalable Epinephrine	
Patent No.:		Granted:
Assignee:	Advanced Inhalation Research, Inc. (copy included)	
Recordation Date:	Reel:	Frame(s):



Applicants:	Blair Jackson, David J. Bennett, Raymond T. Bartus and Dwaine F. Emerich	Atty. Docket No.: 2685.2044-001
Application No.:	10/392,342	Group:
Filed:	March 19, 2003	Examiner:
Confirmation No.:	7537	
Title:	Pulmonary Delivery for Levodopa	
Patent No.:	Granted:	
Assignee:		
Recordation Date:	Reel:	Frame(s):
Applicants:	Sujit K. Basu, Katharina Elbert, Jeffrey Hrkach and Giovanni Caponetti	Atty. Docket No.: 2685.2032-002
Application No.:	10/371,398	Group:
Filed:	February 20, 2003	Examiner:
Confirmation No.:	8445	
Title:	Inhalable Formulations for Sustained Release	
Patent No.:	Granted:	
Assignee:		
Recordation Date:	Reel:	Frame(s):
Applicants:	Sujit K. Basu, Giovanni Caponetti, Robert Clarke, and Katharina J. Elbert	Atty. Docket No.: 2685.2034-001
Application No.:	10/392,333	Group:
Filed:	March 19, 2003	Examiner:
Confirmation No.:	7528	
Title:	Inhalable Sustained Therapeutic Formulations	
Patent No.:	Granted:	
Assignee:		
Recordation Date:	Reel:	Frame(s):

<b>Applicants:</b> Blair Jackson, Lloyd Johnston, Charles D. Blizzard and Jeffrey Mintzes			<b>Atty. Docket No.:</b> 2685.2040-001		
<b>Application No.:</b> 10/394,401			<b>Group:</b>		
<b>Filed:</b> March 19, 2003			<b>Examiner:</b>		
<b>Confirmation No.:</b>					
<b>Title:</b> hGH (Human Growth Hormone) Formulations for Pulmonary Administration					
<b>Patent No.:</b>			<b>Granted:</b>		
<b>Assignee:</b>					
<b>Recordation Date:</b>		<b>Reel:</b>		<b>Frame(s):</b>	